IN THE CLAIMS:

Please cancel Claim 17 without prejudice.

Claim 1 (Currently Amended) An interbody spacer device for implanting between a pair of adjacent vertebrae to maintain a selected spacing and mutual orientation therebetween and comprising:

- (a) an anterior conical portion defined at least partially by a first surface having a substantially conically varying shape from an anterior diverged end to a converged end thereof with anterior threads extending radially outward therefrom and said first surface extending for at least two revolutions of said anterior threads;
- (b) a posterior cylindrical portion defined at least partially by a second surface having a cylindrical shape with posterior threads extending radially outward therefrom and said second surface extending for at least two revolutions of said posterior threads; and
- (c) said cylindrical portion being joined to said conical portion at said converged end of said conical portion.

Claim 2 (Currently Amended) A device as set forth in Claim 1 and including:

(a) at least partial thread members extending radially outward from said cylindrical portion and said conical portion, said thread members anterior and posterior threads having crests defining an incomplete cylindrical shape.

Claim 3 (Original) A device as set forth in Claim 1 and including:

- (a) upper and lower vertebra engaging sides, each vertebra engaging side being formed in part by said first surface and in part by said second surface; and
- (b) opposite lateral sides, each lateral side being formed by a convex, generally cylindrical surface.

Claim 4 (Original) A device as set forth in Claim 1 and including:

(a) stabilizing structure secured to said device and engaged with the vertebrae in such a manner as to laterally stabilize a spatial relationship between the vertebrae to thereby prevent tendencies of the vertebrae to pivot about said device.

Claim 5 (Original) A device as set forth in Claim 1 wherein the vertebrae include mutually facing vertebral surfaces and each vertebral surface includes a central region and an outer edge region, and including:

- (a) stabilizing structure connected to said device and extending laterally from opposite sides of said device; and
- (b) said stabilizing structure being sized and shaped to be adapted to engage edge regions of said vertebral surfaces to thereby stabilize a spatial relationship between the vertebrae.

Claim 6 (Original) A device as set forth in Claim 1 wherein each of the vertebrae includes an intervertebral surface having a central region and an edge region and including:

(a) an end cap member secured to said device; said end cap member adapted to engage an edge region of an intervertebral surface of each of the vertebrae in such a manner as to resist lateral pivoting of said vertebrae about said device when said device is implanted as a sole spacer between the vertebrae and engaging a central region of each of the vertebrae.

Claim 7 (Original) A device as set forth in Claim 1 and including:

(a) an end cap member secured to said device; said end cap member adapted to engage the vertebrae in such a manner as to resist lateral pivoting of the vertebrae about said device when said device is positioned in substantial alignment with a median plane of the vertebrae.

Claim 8 (Original) A device as set forth in Claim 1 wherein:

(a) said device is configured to facilitate orientation of said cylindrical portion posteriorly of said conical portion upon implanting said device between the vertebrae to thereby urge the vertebrae to a desired angular relationship therebetween.

Claim 9 (Currently Amended) An interbody spacer device for implanting between a pair of adjacent vertebrae to maintain a selected spacing and mutual orientation therebetween and comprising:

- (a) an anterior conical portion defined at least partially by a first surface having a substantially conically varying shape from an anterior diverged end to a posterior converged end; said conical portion having an anterior thread extending radially outward therefrom and at least two revolutions therealong;
- (b) a posterior cylindrical portion defined at least partially by a second surface having a cylindrical shape; said cylindrical portion having a posterior thread extending radially outward therefrom and at least two revolutions therealong;
- (c) said cylindrical portion being joined to said conical portion at said converged end of said conical portion; and
- (d) at least partial thread members extending from said conical portion and said cylindrical portion, said thread members said anterior and posterior threads having crest crests that form an incomplete cylindrical shape.

Claim 10 (Original) A device as set forth in Claim 9 and including:

- (a) upper and lower vertebra engaging sides, each vertebra engaging side being formed in part by said first surface and in part by said second surface; and
- (b) opposite lateral sides, each lateral side being formed by a convex, generally cylindrical surface.

Claim 11 (Original) A device as set forth in Claim 9 and including:

(a) stabilizing structure operably secured to said device and adapted to engage the vertebrae in such a manner so as to laterally stabilize a spatial relationship between the vertebrae to thereby prevent tendencies of the vertebrae to pivot about said device.

Claim 12 (Original) A device as set forth in Claim 9 wherein the vertebrae include mutually facing vertebral surfaces and each vertebral surface includes a central region and an outer edge region, and including:

- (a) stabilizing structure operably connected to said device and extending laterally from opposite sides of said device; and
- (b) said stabilizing structure being sized and shaped to be adapted to engage edge regions of the vertebral surfaces to thereby stabilize a spatial relationship between the vertebrae.

Claim 13 (Original) A device as set forth in Claim 9 wherein each of the vertebrae includes an intervertebral surface having a central region and an edge region and including:

(a) an end cap member secured to said device; said end cap member adapted to engage an edge region of an intervertebral surface of each of the vertebrae in such a manner as to resist lateral pivoting of the vertebrae about said device when said device is implanted as a sole spacer between the vertebrae and engaging a central region of each of the vertebrae.

Claim 14 (Original) A device as set forth in Claim 9 and including:

(a) an end cap member operably secured to said device, said end cap member adapted to engage the vertebrae in such a manner as to resist lateral pivoting of the vertebrae about said device when said device is positioned in substantial alignment with a median plane of the vertebrae.

Claim 15 (Original) A device as set forth in Claim 9 wherein:

(a) said device is configured to facilitate orientation of said cylindrical portion posteriorly of said conical portion upon implanting said device between the vertebrae to thereby urge the vertebrae to a desired angular relationship therebetween. Claim 16 (Currently Amended) In an interbody spacer device for implanting between a pair of adjacent vertebrae to maintain a selected spacing and mutual orientation therebetween, the improvement comprising:

- (a) said spacer device having a rigid body with threads

 extending radially outward therefrom; said body

 including an anterior conical portion defined at least

 partially by a first surface having a substantially

 conically varying shape from an anterior diverged end

 to a posterior converged end thereof and extending

 along at least two revolutions of said thread;
- (b) said spacer device including a cylindrical portion defined at least partially by a second surface having a cylindrical shape and extending along at least two revolutions of said thread; and
- (c) said cylindrical portion being joined to said conical portion at said converged end of said conical portion.

Claim 17 (Canceled)

Claim 18 (Original) A device as set forth in Claim 16 and including:

- (a) upper and lower vertebra engaging sides; each vertebra engaging face being formed in part by said first surface and in part by said second surface; and
- (b) opposite lateral sides, each lateral side being formed by a convex, generally cylindrical surface.

Claim 19 (Original) A device as set forth in Claim 16 and including:

(a) stabilizing structure operably secured to said device and adapted to engage the vertebrae in such a manner so as to laterally stabilize a spatial relationship between the vertebrae to thereby prevent tendencies of the vertebrae to pivot about said device.

Claim 20 (Original) A device as set forth in Claim 16 wherein the vertebrae include mutually facing vertebral surfaces and each vertebral surface includes a central region and an outer edge region, and including:

- (a) stabilizing structure operably connected to said device and extending laterally from opposite sides of said device; and
- (b) said stabilizing structure being sized and shaped to be adapted to engage edge regions of the vertebral surfaces to thereby stabilize a spatial relationship between the vertebrae.

Claim 21 (Original) A device as set forth in Claim 16 wherein each of the vertebrae includes an intervertebral surface having a central region and an edge region and including:

(a) an end cap member operably secured to said device; said end cap member engaging an edge region of an intervertebral surface of each of the vertebrae in such a manner as to resist lateral pivoting of the vertebrae about said device when said device is implanted as a sole spacer between the vertebrae and engaging a central region of each of the vertebrae.

Claim 22 (Original) A device as set forth in Claim 16 and including:

member adapted to engage the vertebrae in such a manner as to resist lateral pivoting of the vertebrae about said device when said device is positioned in substantial alignment with a median plane of the vertebrae.

Claim 23 (Original) A device as set forth in Claim 16 wherein:

(a) said device is configured to facilitate orientation of said cylindrical portion posteriorly of said conical portion upon implanting said device between the vertebrae to thereby urge the vertebrae to a desired angular relationship therebetween.

Claim 24 (Currently Amended) In an interbody spacer device for implanting between a pair of adjacent vertebrae to maintain a selected spacing and mutual orientation therebetween, the improvement comprising:

(a) said interbody spacer device having a <u>fixed</u> face with a truncated substantially funnel shaped side profile.

Claim 25 (Currently Amended) The device according to Claim 24 wherein:

(a) said face has a radially outward extending thread therealong and said thread has thread members with outer crests that form a substantially cylindrical discontinuous crest surface.

Claim 26 (Currently Amended) An interbody spacer device for implanting between a pair of adjacent vertebrae to maintain a selected spacing and mutual orientation therebetween and comprising:

- (a) said spacer device having a thread on at least vertebrae engaging sides thereof; said thread having a root that wraps at least partially around said spacer device and defines an incomplete <u>anterior root surface</u> and a posterior root surface having an overall shape of a funnel <u>section</u>; said funnel including an a <u>fixed</u> anterior conical portion <u>extending along at least</u> two revolutions of said thread and a <u>fixed</u> posterior cylindrical portion <u>extending along at least two</u> revolutions of said thread;
- (b) said conical portion having a greatest radius near an anterior end of said spacer device; and
- (c) said cylindrical portion joining with said conical

portion and extending to a posterior end of said spacer device.

Claim 27 (Currently Amended) In an interbody spacer for operable placement between a pair of vertebrae; the improvement comprising:

- (a) said spacer having upper and lower faces; and
- (b) each of said faces having a <u>rigid</u> funnel shape with each of said faces having a greatest radius near an anterior end of each face <u>having a posterior</u> <u>cylindrical shaped half and an anterior conical shaped</u> <u>half with thread members extending radially outward</u> from said faces.

Claim 28 (Currently Amended) The spacer according to Claim 26 wherein:

- (a) <u>said posterior and cylindrical shaped halves each</u>

 <u>extended along more than two revolutions of said thread</u>

 a thread extends radially outward from each face.
- Claim 29 (Original) The spacer according the Claim 27 wherein:
 - (a) said thread has a crest that defines an incomplete cylindrical pattern from near an anterior to near a posterior end of said spacer.